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 \*\* Copies not attached as previously submitted to or cited by the USPTO in grandparent application US 09/112,767

Approved for use through 10/31/2002. OMB 0851-0031  
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
Sheet 1 of 8	Attorney Docket Number	ZG001US	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EC		US-5,697,144 *	12.16.1997	Mitani, et al	
		US-5,719,604	02.17.1998	Inui, et al	
		US-5,666,141	09.09.1997	Matoba, et al	
		US-4,672,398	06.09.1987	Kuwabara, et al	
		US-4,737,802	04.12.1988	Mielke	
		US-5,029,805	07.09.1991	Albarda, et al	
		US-5,258,774	11.02.1993	Rogers	
		US-4,553,393	11.19.1985	Ruoff	
		US-4,864,824	09.12.1989	Gabriel, et al	
		US-4,423,401	12.27.1983	Mueller	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EC		EP 0 416 540 A2 *	13.03.1991	Usui et al	
		EP 1 057 637 *	12.06.2000	Canon KK	
		EP 1 057 639 *	12.06.2000	Canon KK	
		WO 00/48938 *	08.24.2000	Silverbrook	
		JP 4 04001051 A **	01.06.1992	Komai	
		EP 0 713 774 A2	05.29.1996	Sharp Kabushiki	Kaisha
		DE 195 16 997	11.16.1995	Sharp KK	
		DE 196 23 620 A1	12.19.1996	Sharp KK	
		JP 2 108544 (Abstract)	04.20.1990	Seiko Epson Corp	
		JP 2 92643 (Abstract)	04.03.1990	Seiko Epson Corp	

Examiner Signature	<i>Ei Chen</i>	Date Considered	6/29/05
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Sheet 3 of 8

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Art Unit	
Examiner Name	
Attorney Docket Number	ZG001US

[illegible]

Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3 - Number 4 - Kind Code 5 (if known)				
EC ↓		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
		GB 2 262 152	06.09.1993	Willert Int Ltd		
		DE 195 16 997	11.16.1995	Sharp K.K		
		JP 05 318724 (Abstract)	12.03.1993	Seikoshā Co Ltd		
		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		
		DE 32 45 283	06.07.1984	Siemens AG		
		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		
		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co Ltd		
		JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp		
		JP 03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind Co		

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<b>FOREIGN PATENT DOCUMENTS</b>						
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E.C.		JP 01 257058	10.13.1989	Seiko Epson Corp		
I		DE 195 17 969	11.30.1995	Sharp K.K		
		DE 196 39 717	04.17.1997	Sharp K.K		
		EP 0 737 580	10.16.1996	Canon K.K		
		EP 0 882 590	12.09.1998	Canon K.K		
		EP 0 478 956	04.08.1992	Kernforschungszz Karlsruhe GMBH		
		OE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH		
		GB 1 428 239	03.17.1976	Cibie Projecteurs		
✓		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063	08 14 1980	Olympia Werke AG		

Examiner Signature	<i>Eve Chen</i>	Date Considered	<i>6/29/05</i>
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Sheet 5 of 8

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First Named Inventor	Kia Silverbrook
Art Unit	
Examiner Name	
Attorney Docket Number	ZG001US

[illegible]

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		Country Code 3 - Number 4 - Kind Code 5 (if known)				
		WO 94 18010	08.18.1994	Domino Printing Sciences PLC		
		EP 0 398 031	11.22.1990	Seiko Epson Corp		
		EP 0 427 291	05.15.1991	Seiko Epson Corp		
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd		
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K		
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA		
		JP 61 268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd		
		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp		
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc		
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6 of 8

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Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Art Unit	
Examiner Name	
Attorney Docket Number	ZG001US

## U.S. PATENT DOCUMENTS

[illegible]**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
EC          V		JP 03 180350		08.06.1991	Seiko Epson Corp		
		WO 97 12689		04.10.1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract)		02.20.1990	Seiko Epson Corp		
		EP 0 510 648		10.28.1992	Ivri Yehuda		
		JP 05 28765 (Abstract)		10.29.1993	Canon Inc		
		JP 04 141429 (Abstract)		05.14.1992	Seiko Epson Corp		
		JP 01 105746 (Abstract)		04.24.1989	Ricoh Co. Ltd		
		GB 792 145		03.19.1958	Technograph Printed Circuits Ltd		
		EP 0 750 993		01.02.1997	Canon K.K.		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 8

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Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Art Unit	
Examiner Name	
Attorney Docket Number	ZG001US

**U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

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EC ↓ ↓ ↓		JP 01 306254 (Abstract)	12.11.1989	Seiko Epson Corp.		
		EP 0 092 229	10.26.1983	Siemens AG		
		DE 37 16 996	12.08.1988	VDO Schindling		
		DE 34 30 155	02.27.1986	Siemens AG		
		FR 2 231 076	12.20.1974	Electricite De France		
		EP 0 431 338	06.12.1991	Matsushita Electric Ind. Co.		

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		Filing Date	
		First Named Inventor	Kia Silverbrook
		Group Art Unit	
		Examiner Name	
Sheet 8 of 8	Attorney Docket Number	ZG001US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
EC		Derwent Abstract Accession No. 2000-405730/35, Class P75;T04, JP 2000141656 A (Ricoh KK) May 23, 2000 *	
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier Sequoia S.A., Lausanne, Vol 55, no. 1, 15-July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc, New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A-Micro-Mobile-Mechanism-Using-Thermal-Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	

Examiner Signature	<i>Cue Chun</i>	Date Considered	6/29/05
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